

IN THE CLAIMS

Please amend claims 1, 7, 8, 14, 15, and 18 as follows:

1. (CURRENTLY AMENDED) Image processing apparatus configured to store image data with redundant protection, comprising
input means configured to receive an input stream of real-time digital video data;
storage array means for storing image data in an array of disks; and
processing means arranged to perform processing operations upon said image data, wherein said input means receives an input stream of real-time digital video data;
said processing means performs a first writing operation to write said video data to said storage array means in real-time without RAID calculations and without parity;
said processing means performs a reading operation to read said data from said storage array means, perform a data manipulation upon said video data and generate parity information to create protected video data; and
said processing means performs a second writing operation to write said protected video data to said storage array means.
2. (ORIGINAL) Apparatus according to claim 1, wherein said real-time digital data represents high definition images defined by luminance samples and colour difference samples.
3. (ORIGINAL) Apparatus according to claim 1, wherein said high definition digital video data is derived by scanning cinematographic film.
4. (ORIGINAL) Apparatus according to claim 1, wherein said real-time digital video data represents standard broadcast television images defined by luminance and colour difference signals.
5. (ORIGINAL) Apparatus according to claim 2, wherein said luminance samples and said colour difference samples are converted to three colour samples before performing said writing step.

6. (ORIGINAL) Apparatus according to claim 4, wherein said data manipulation step includes converting luminance plus colour difference signals into three colour samples.

7. (CURRENTLY AMENDED) Apparatus according to claim 1, wherein said data manipulation step includes generating reduced bandwidth proxy images and writing said proxy images to said storage array.

8. (CURRENTLY AMENDED) A method of processing image data to provide redundant protection, comprising the steps of
receiving an input stream of real-time digital video data;
performing a first writing step to write said video data to a disk storage array without RAID calculations and without parity in real-time to implement a video capture;
reading said video data from said disk storage array;
performing a data manipulation upon said data read from said disk storage array;
calculating redundant parity data to generate protected image data; and
performing a second writing step to write said protected image data to said disk storage array.

9. (ORIGINAL) A method according to claim 8, wherein said real-time digital data represents high definition images represented by luminance samples and colour different samples.

10. (ORIGINAL) A method according to claim 9, wherein said high definition digital video data is derived by scanning cinematographic film.

11. (ORIGINAL) A method according to claim 8, wherein said real-time digital video data represents standard broadcast television images represented by luminance and colour difference signals.

12. (ORIGINAL) A method according to claim 8, wherein said luminance samples and said colour difference samples are converted to three colour (RGB) samples before performing said writing step.

13. (ORIGINAL) A method according to claim 8, wherein said data manipulation step includes converting luminance plus colour difference signals into three colour (RGB) samples.
14. (CURRENTLY AMENDED) A method according to claim 8, wherein said data manipulation step includes generating reduced bandwidth proxy images and writing said proxy images to said disk storage array.
15. (CURRENTLY AMENDED) A computer-readable medium having computer-readable instructions executable by a computer such that, when executing said instructions, a computer will perform the steps of:
- receiving an input stream of real-time digital video data;
 - performing a first writing step to write said video data to a disk storage array without RAID calculations and without parity in real time to implement a video capture;
 - reading said video data from said disk storage array;
 - performing a data manipulation upon said data read from said disk storage array;
 - calculating redundant parity data to generate protected image data; and
 - performing a second writing step to write said protected image data to said disk storage array.
16. (ORIGINAL) A computer-readable medium having computer-readable instructions according to claim 15, such that when executing said instructions, a computer will also perform the step of converting samples representing luminance and colour difference to three colour (RGB) samples before performing said first writing step.
17. (ORIGINAL) A computer-readable medium having computer-readable instructions according to claim 15, such that when executing said instructions, a computer will also perform the step of converting luminance plus colour difference signals into three colour (RGB) samples during said data manipulation step.
18. (CURRENTLY AMENDED) A computer-readable medium having computer-readable instructions according to claim 15, such that when executing said instructions, a computer will

also perform the steps of generating reduced bandwidth proxy images and writing said proxy images to said disk storage array during said data manipulation step.